

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080315\
 Data File : BE090336.D
 Acq On : 4 Aug 2015 8:13
 Operator : TP/UM
 Sample : G3174-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 080115-D506-E-D-M

Quant Time: Aug 04 13:20:49 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE080315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 04 02:31:31 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	5968	5.00	ng	0.00
6) Naphthalene-d8	10.35	136	25406	5.00	ng	0.00
12) Acenaphthene-d10	14.21	164	13241	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	27845	5.00	ng	0.00
25) Chrysene-d12	21.11	240	24648	5.00	ng	0.00
32) Perylene-d12	23.42	264	21313	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.23	112	2972	2.61	ng	0.00
5) Phenol-d6	6.78	99	2341	1.67	ng	0.00
7) Nitrobenzene-d5	8.73	82	5888	3.92	ng	0.00
13) 2,4,6-Tribromophenol	15.71	330	1309	5.58	ng	-0.02
14) 2-Fluorobiphenyl	12.83	172	14770	3.85	ng	0.00
27) Terphenyl-d14	19.57	244	20978	4.55	ng	-0.01

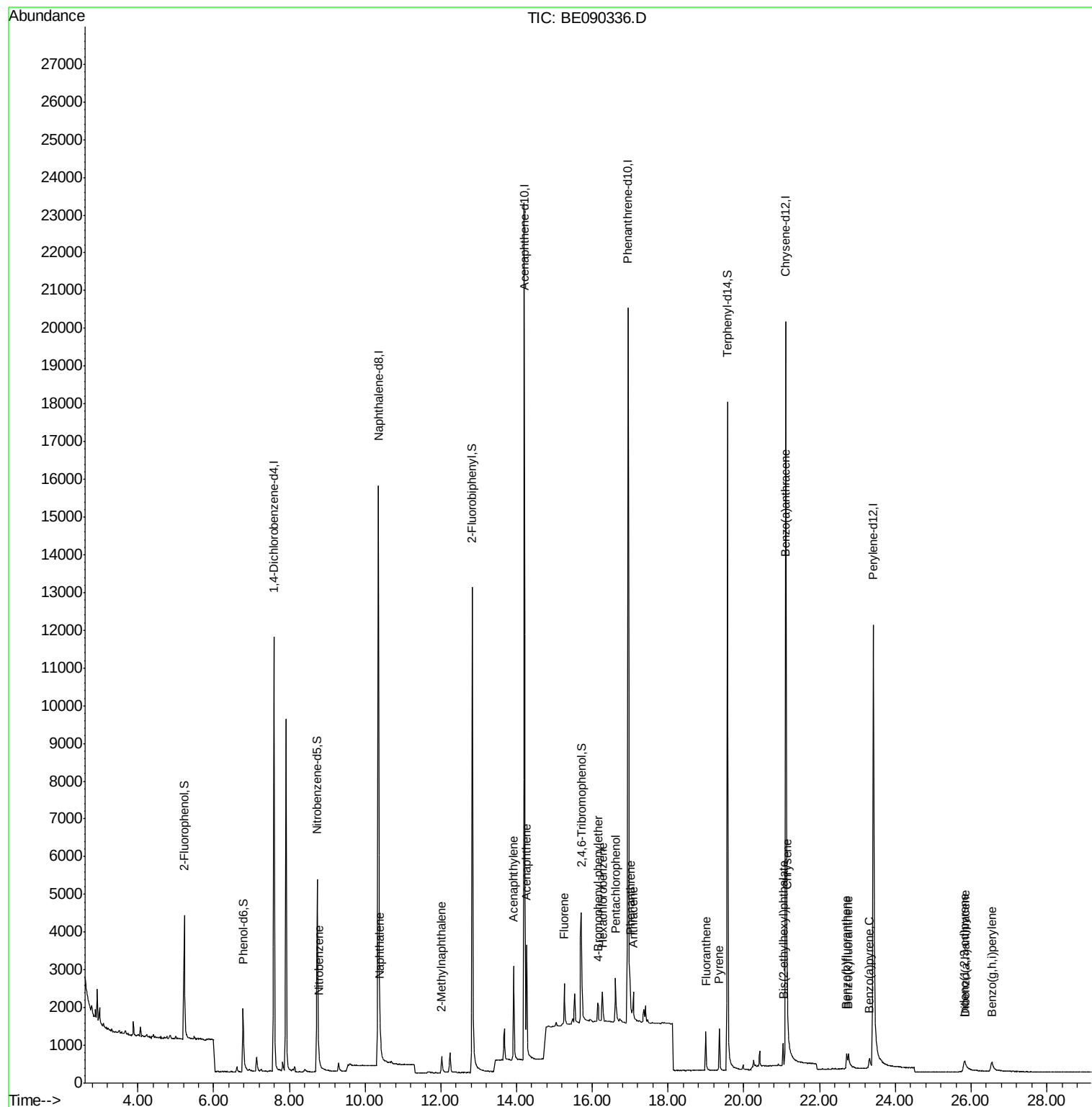
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Nitrobenzene	8.78	77	134	0.09	ng	96
9) Naphthalene	10.40	128	554	0.10	ng	# 71
11) 2-Methylnaphthalene	12.02	142	465	0.14	ng	# 94
15) Acenaphthylene	13.93	152	3578	0.15	ng	99
16) Acenaphthene	14.27	154	524	0.16	ng	96
17) Fluorene	15.26	166	619	0.15	ng	# 88
19) 4-Bromophenyl-phenylether	16.16	248	174	0.17	ng	81
20) Hexachlorobenzene	16.27	284	658	0.17	ng	98
21) Pentachlorophenol	16.61	266	718	3.16	ng	85
22) Phenanthrene	17.00	178	1074	0.17	ng	96
23) Anthracene	17.08	178	875	0.15	ng	100
24) Fluoranthene	18.99	202	1140	0.18	ng	99
26) Pyrene	19.36	202	1156	0.17	ng	99
28) Benzo(a)anthracene	21.09	228	860	0.18	ng	# 91
29) Chrysene	21.14	228	1082	0.13	ng	# 91
30) Bis(2-ethylhexyl)phthalate	21.03	149	596	0.52	ng	94
31) Indeno(1,2,3-cd)pyrene	25.81	276	648	0.37	ng	# 87
33) Benzo(b)fluoranthene	22.71	252	589	0.49	ng	# 78
34) Benzo(k)fluoranthene	22.76	252	871	0.15	ng	# 78
35) Benzo(a)pyrene	23.32	252	612	0.46	ng	# 74
36) Dibenzo(a,h)anthracene	25.84	278	441	0.41	ng	# 82
37) Benzo(g,h,i)perylene	26.55	276	787	0.43	ng	# 84

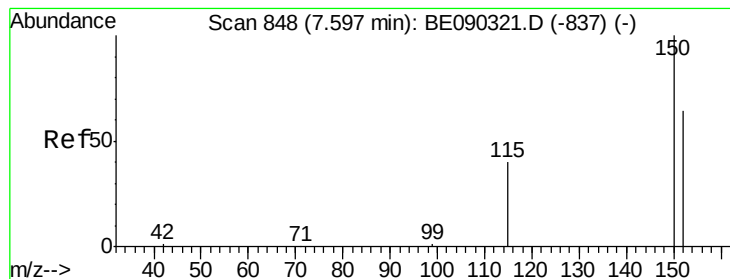
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE080315.M
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QLast Update : Tue Aug 04 02:31:31 2015
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.60 min Scan# 848

Delta R.T. -0.00 min

Lab File: BE090336.D

Acq: 4 Aug 2015 8:13

Instrument :

BNA_E

ClientSampleId :

080115-D506-E-D-M

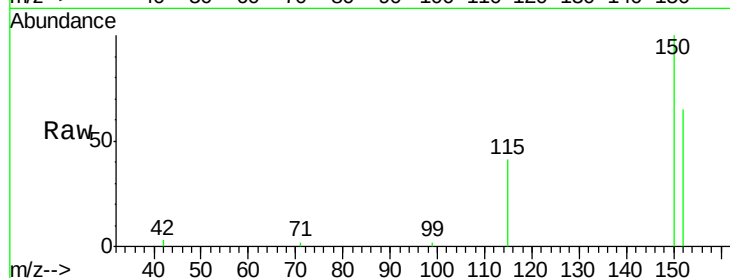
Tgt Ion:152 Resp: 5968

Ion Ratio Lower Upper

152 100

150 153.0 124.2 186.2

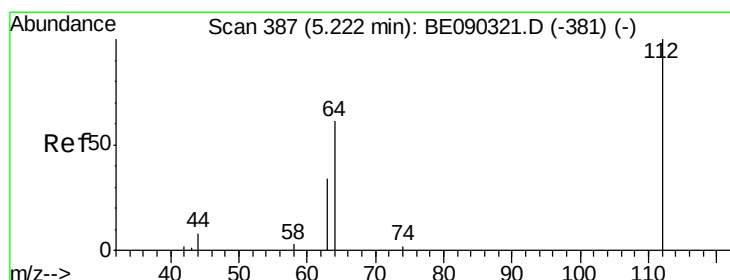
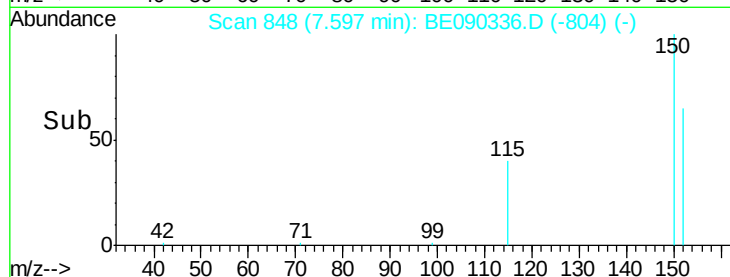
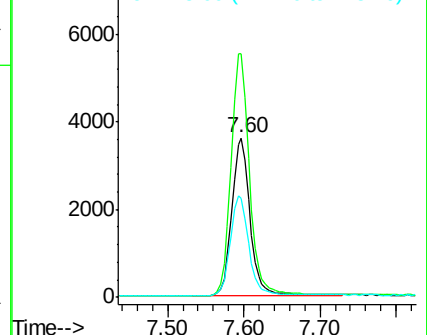
115 62.4 50.4 75.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol

Concen: 2.61 ng

RT: 5.23 min Scan# 387

Delta R.T. 0.00 min

Lab File: BE090336.D

Acq: 4 Aug 2015 8:13

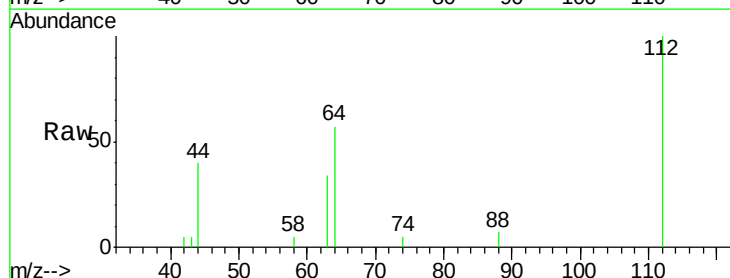
Tgt Ion:112 Resp: 2972

Ion Ratio Lower Upper

112 100

64 58.3 49.0 73.4

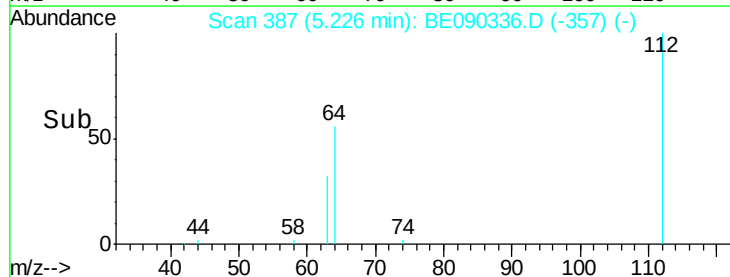
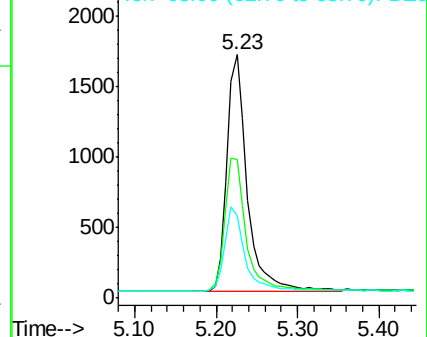
63 35.4 27.7 41.5

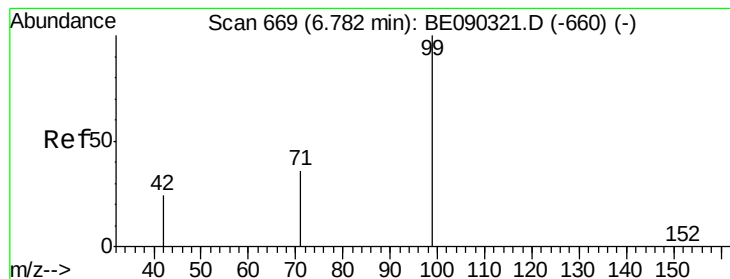


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 1.67 ng

RT: 6.78 min Scan# 668

Delta R.T. -0.00 min

Lab File: BE090336.D

Acq: 4 Aug 2015 8:13

Instrument :

BNA_E

ClientSampleId :

080115-D506-E-D-M

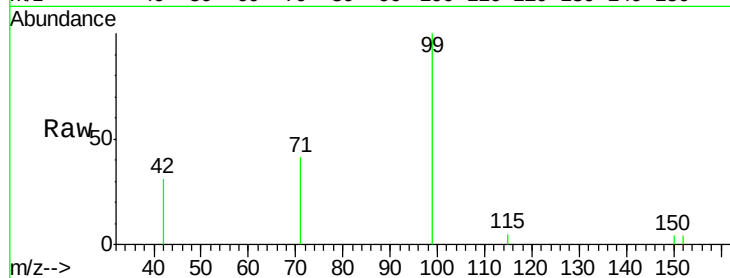
Tgt Ion: 99 Resp: 2341

Ion Ratio Lower Upper

99 100

42 24.5 22.2 33.2

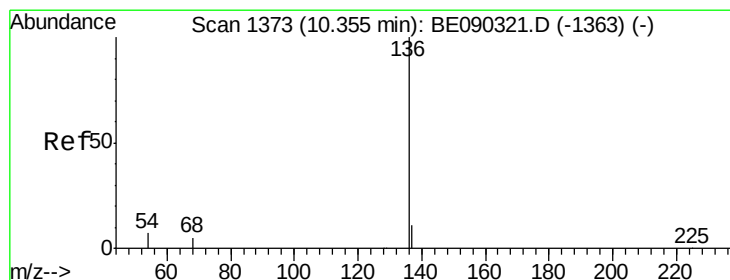
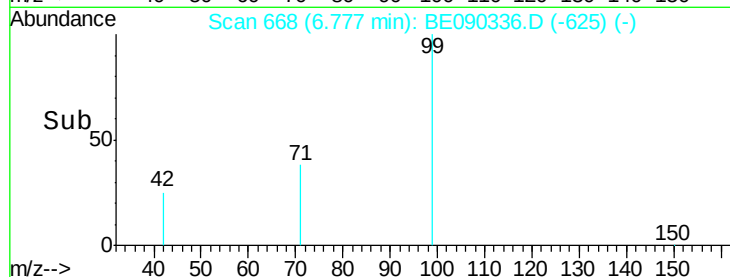
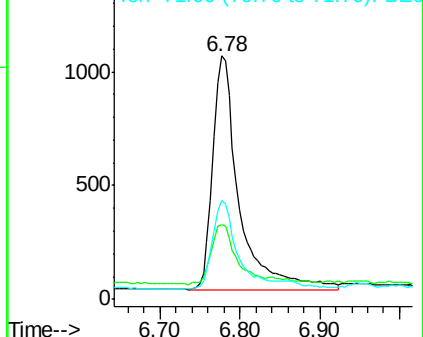
71 35.2 29.2 43.8



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.35 min Scan# 1373

Delta R.T. -0.00 min

Lab File: BE090336.D

Acq: 4 Aug 2015 8:13

Tgt Ion: 136 Resp: 25406

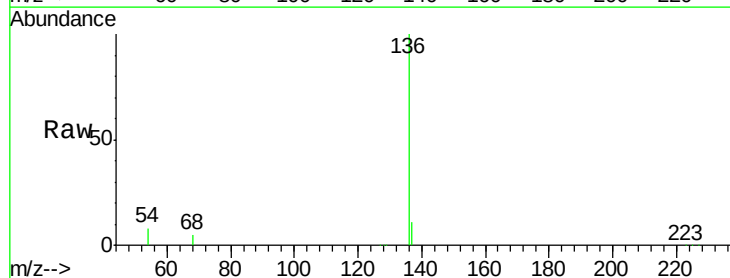
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 7.8 6.0 9.0

68 5.4 3.9 5.9

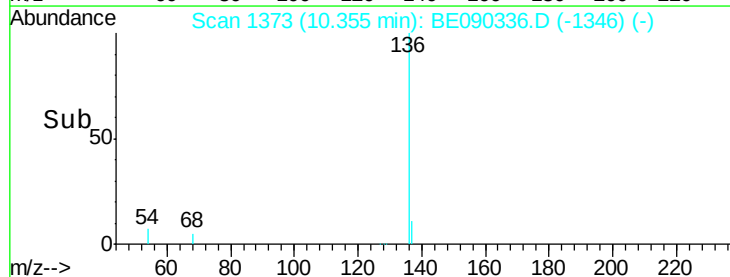
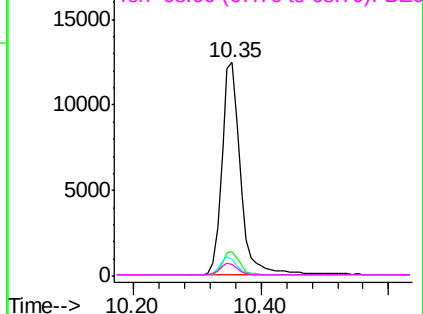


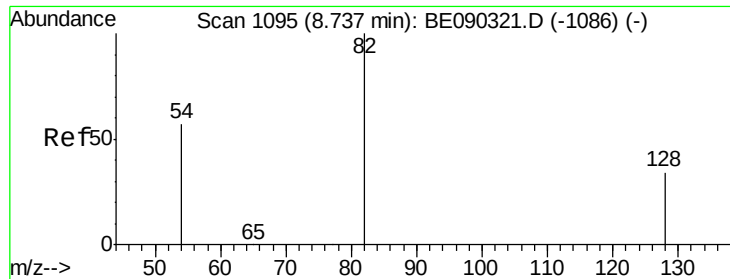
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0





#7

Nitrobenzene-d5

Concen: 3.92 ng

RT: 8.73 min Scan# 1094

Delta R.T. -0.00 min

Lab File: BE090336.D

Acq: 4 Aug 2015 8:13

Instrument :

BNA_E

ClientSampleId :

080115-D506-E-D-M

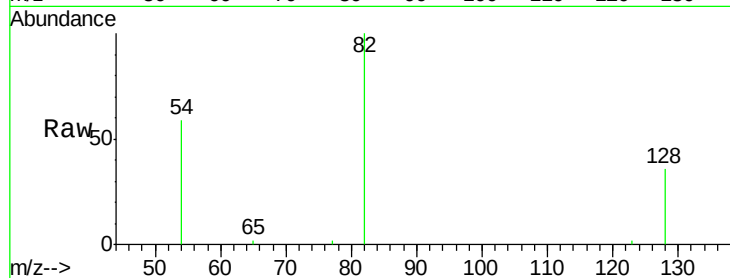
Tgt Ion: 82 Resp: 5888

Ion Ratio Lower Upper

82 100

128 35.5 30.8 46.2

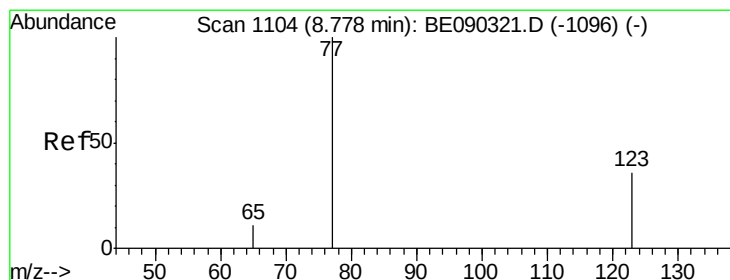
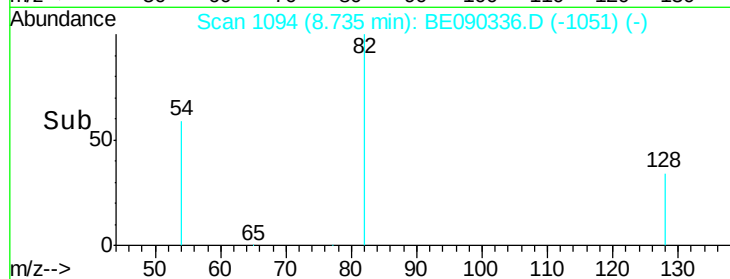
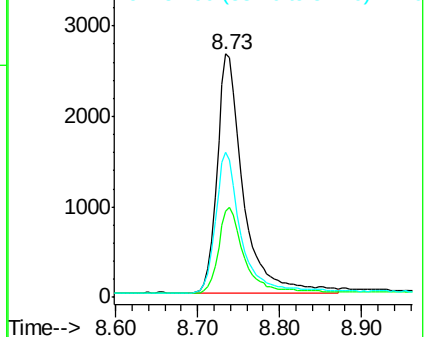
54 59.4 47.5 71.3



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#8

Nitrobenzene

Concen: 0.09 ng

RT: 8.78 min Scan# 1104

Delta R.T. 0.00 min

Lab File: BE090336.D

Acq: 4 Aug 2015 8:13

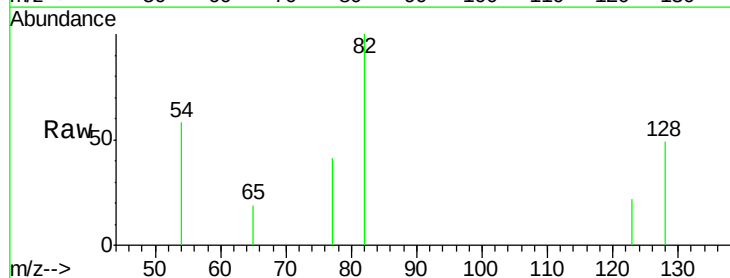
Tgt Ion: 77 Resp: 134

Ion Ratio Lower Upper

77 100

123 39.6 29.6 44.4

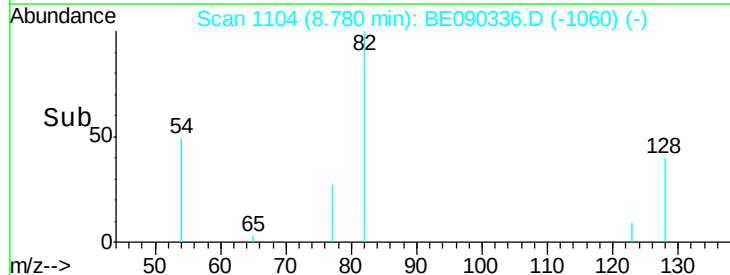
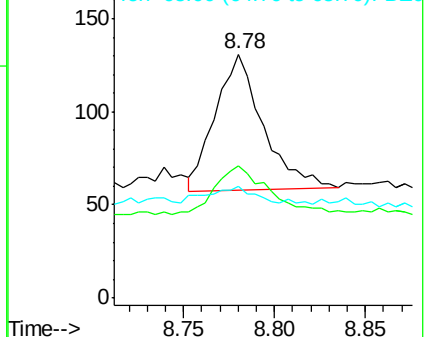
65 14.9 10.4 15.6

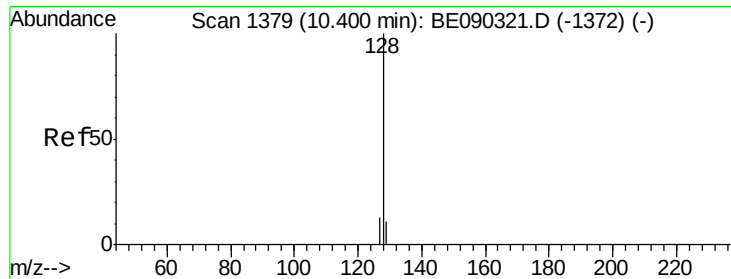


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#9

Naphthalene

Concen: 0.10 ng

RT: 10.40 min Scan# 1379

Delta R.T. -0.00 min

Lab File: BE090336.D

Acq: 4 Aug 2015 8:13

Instrument :

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ClientSampleId :

080115-D506-E-D-M

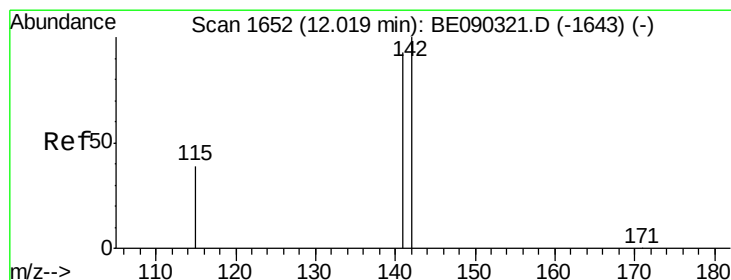
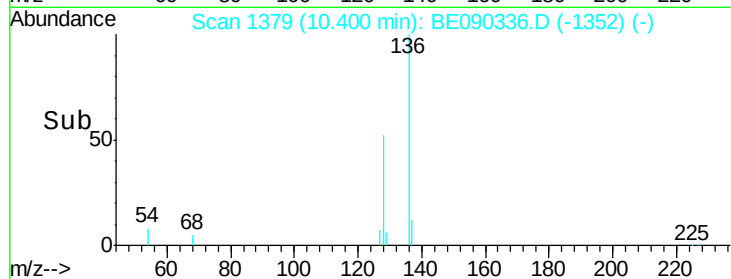
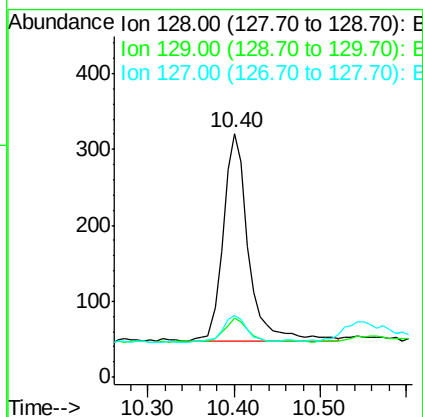
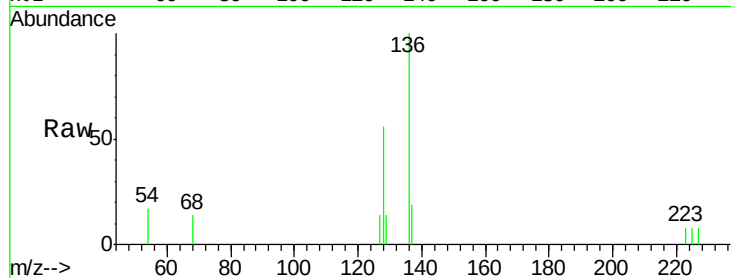
Tgt Ion:128 Resp: 554

Ion Ratio Lower Upper

128 100

129 24.3 10.1 15.1#

127 25.5 11.3 16.9#



#11

2-Methylnaphthalene

Concen: 0.14 ng

RT: 12.02 min Scan# 1653

Delta R.T. 0.00 min

Lab File: BE090336.D

Acq: 4 Aug 2015 8:13

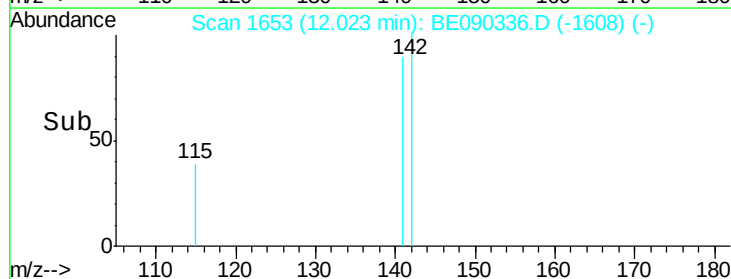
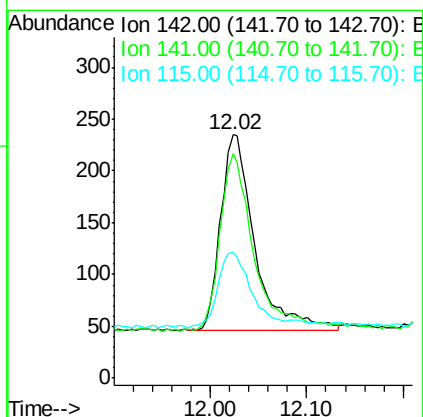
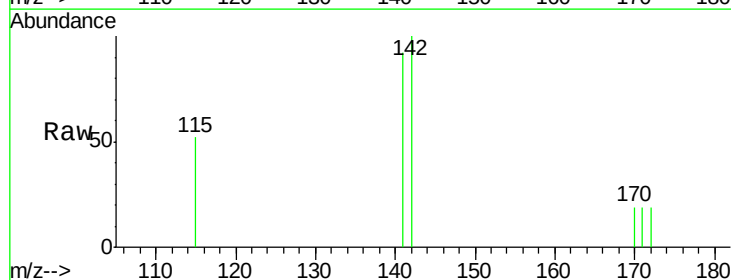
Tgt Ion:142 Resp: 465

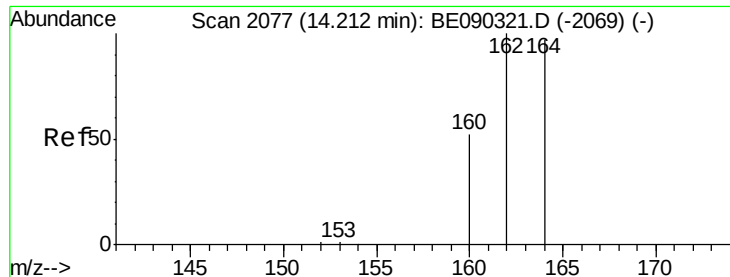
Ion Ratio Lower Upper

142 100

141 92.3 74.6 112.0

115 51.9 32.6 49.0#





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.21 min Scan# 2076

Delta R.T. -0.01 min

Lab File: BE090336.D

Acq: 4 Aug 2015 8:13

Instrument :

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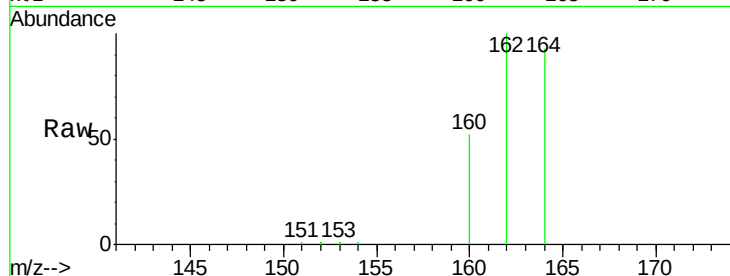
Tgt Ion:164 Resp: 13241

Ion Ratio Lower Upper

164 100

162 107.7 82.7 124.1

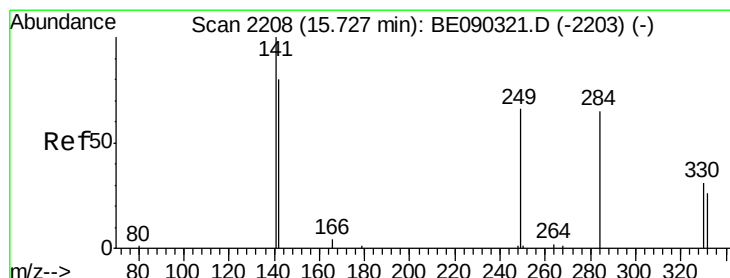
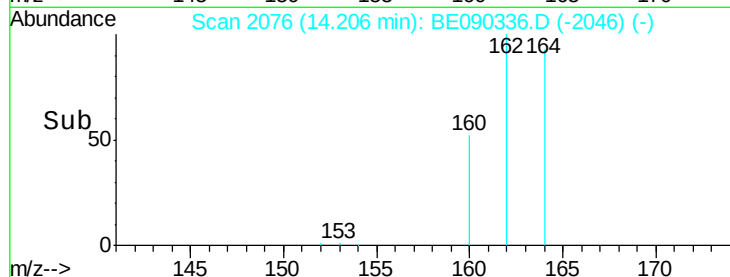
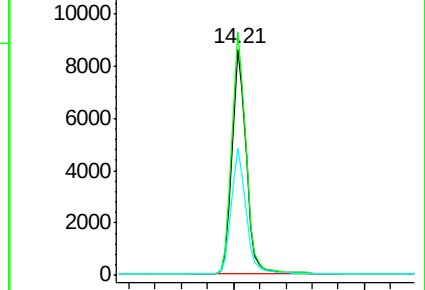
160 56.1 43.0 64.6



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#13

2,4,6-Tribromophenol

Concen: 5.58 ng

RT: 15.71 min Scan# 2207

Delta R.T. -0.02 min

Lab File: BE090336.D

Acq: 4 Aug 2015 8:13

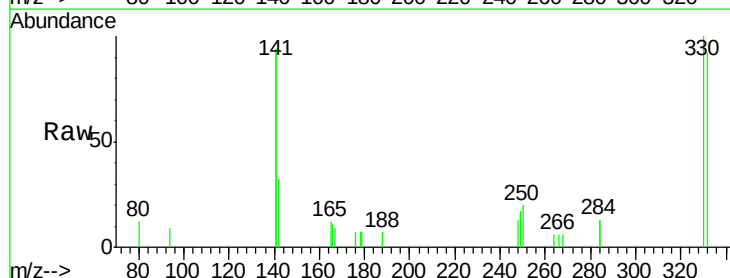
Tgt Ion:330 Resp: 1309

Ion Ratio Lower Upper

330 100

332 95.0 79.4 119.0

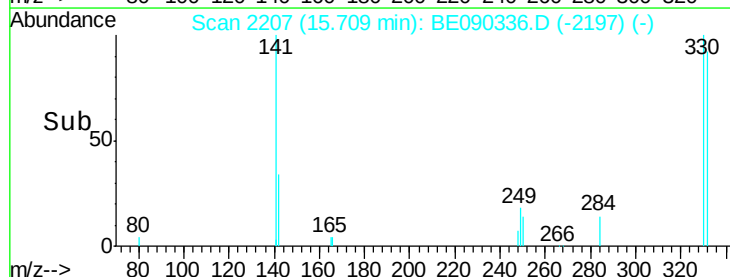
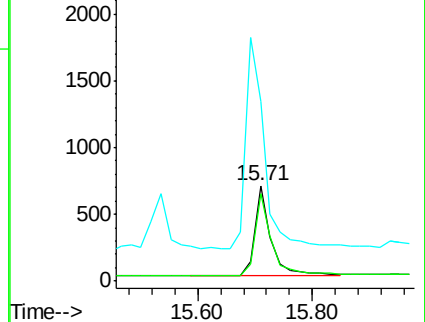
141 272.7 245.9 368.9

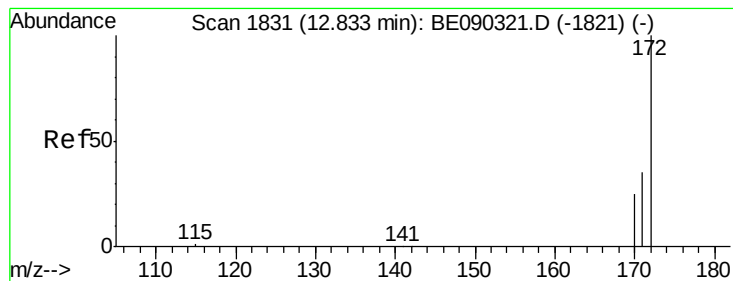


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#14

2-Fluorobiphenyl

Concen: 3.85 ng

RT: 12.83 min Scan# 1830

Delta R.T. -0.00 min

Lab File: BE090336.D

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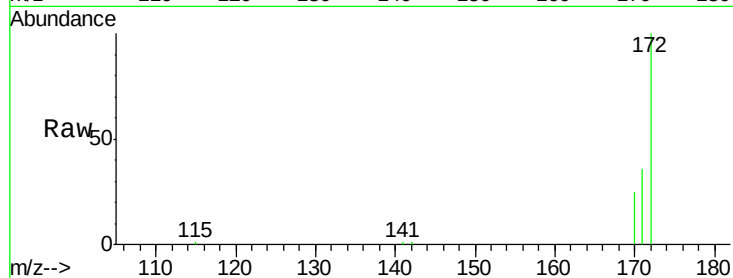
Tgt Ion:172 Resp: 14770

Ion Ratio Lower Upper

172 100

171 35.6 29.5 44.3

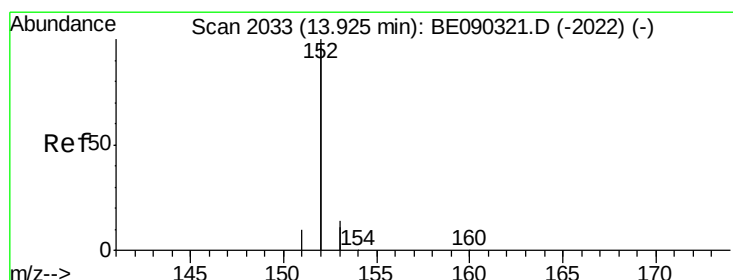
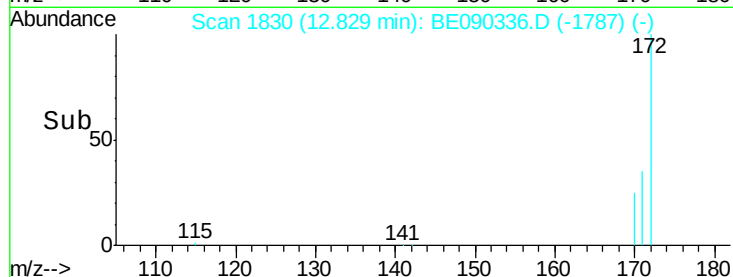
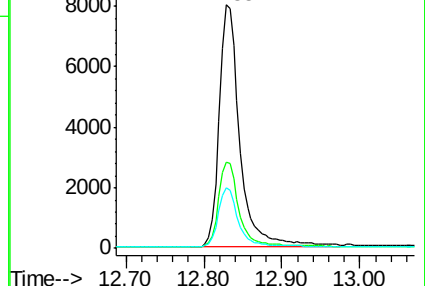
170 25.0 21.3 31.9



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#15

Acenaphthylene

Concen: 0.15 ng

RT: 13.93 min Scan# 2033

Delta R.T. 0.00 min

Lab File: BE090336.D

Acq: 4 Aug 2015 8:13

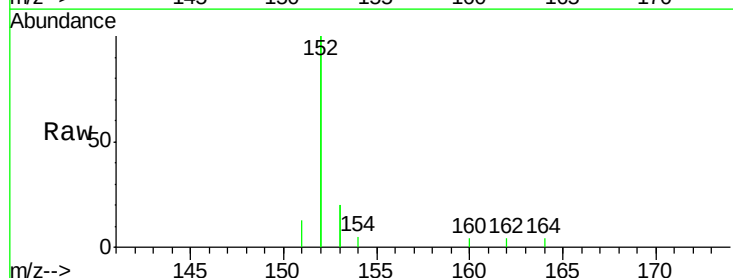
Tgt Ion:152 Resp: 3578

Ion Ratio Lower Upper

152 100

151 5.1 4.0 6.0

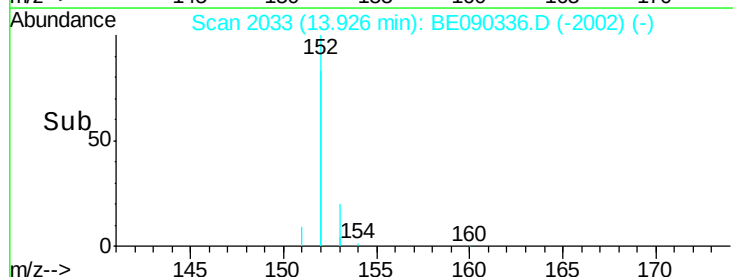
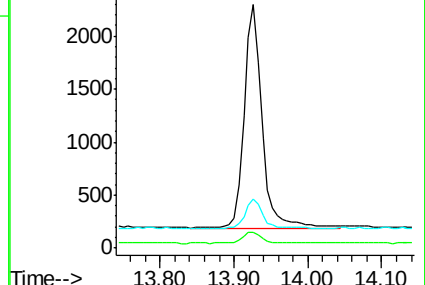
153 13.2 10.2 15.4

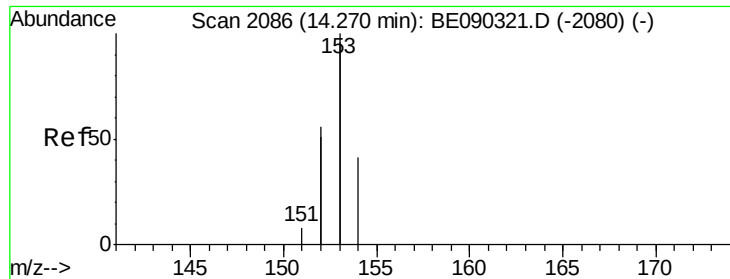


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#16

Acenaphthene

Concen: 0.16 ng

RT: 14.27 min Scan# 2086

Delta R.T. 0.00 min

Lab File: BE090336.D

Acq: 4 Aug 2015 8:13

Instrument :

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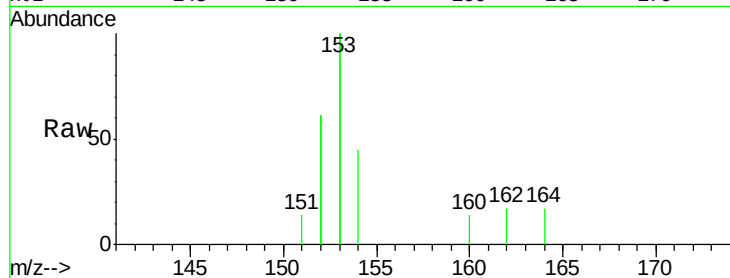
Tgt Ion:154 Resp: 524

Ion Ratio Lower Upper

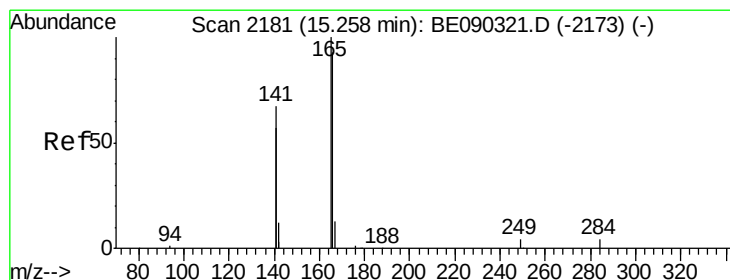
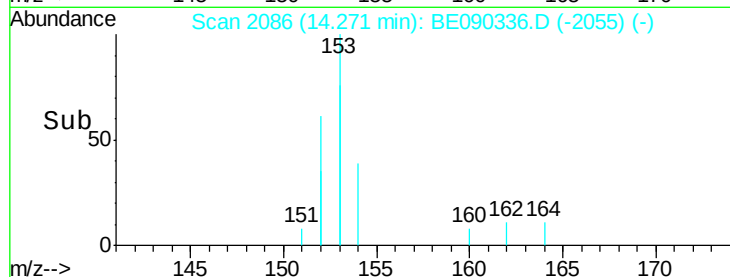
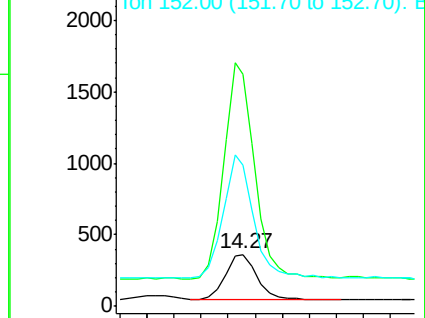
154 100

153 463.7 378.0 567.0

152 258.8 212.7 319.1



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#17

Fluorene

Concen: 0.15 ng

RT: 15.26 min Scan# 2181

Delta R.T. -0.00 min

Lab File: BE090336.D

Acq: 4 Aug 2015 8:13

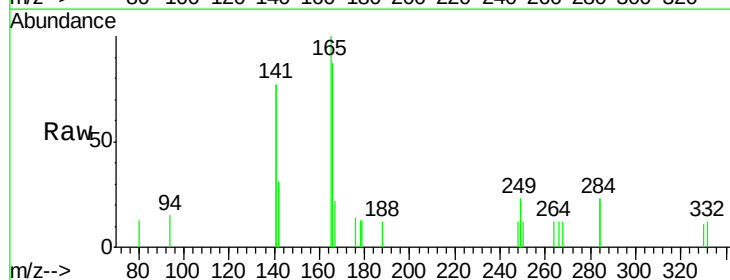
Tgt Ion:166 Resp: 619

Ion Ratio Lower Upper

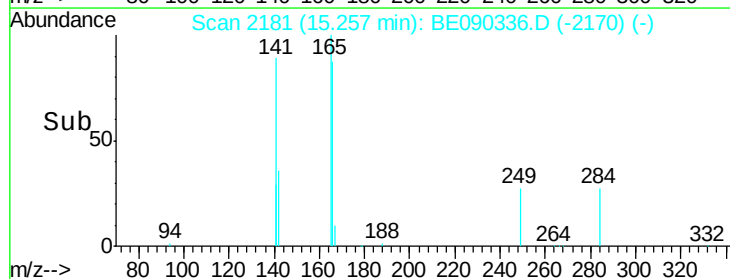
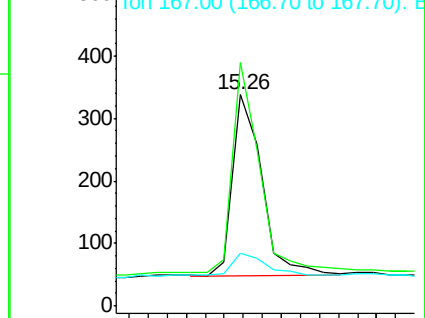
166 100

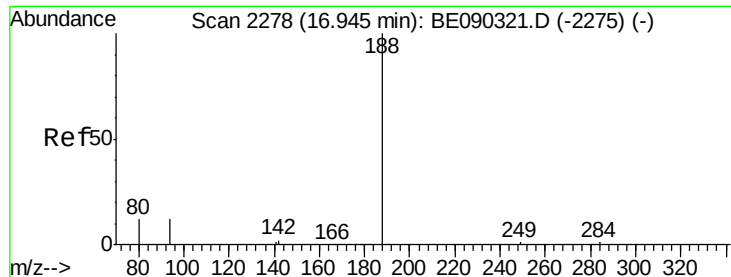
165 114.9 82.6 123.8

167 20.0 11.8 17.8#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

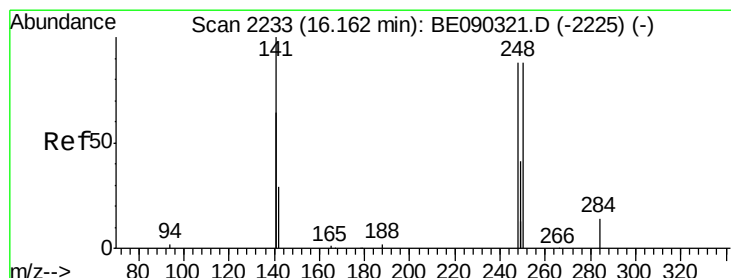
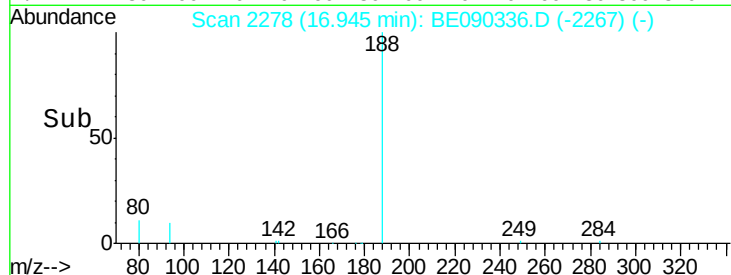
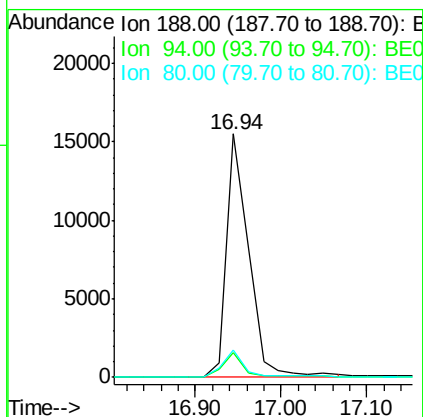
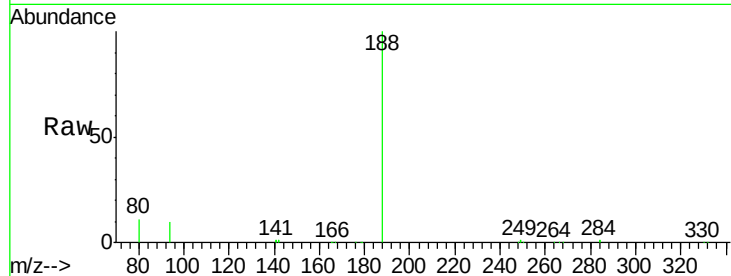




#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.94 min Scan# 2278
Delta R.T. -0.00 min
Lab File: BE090336.D
Acq: 4 Aug 2015 8:13

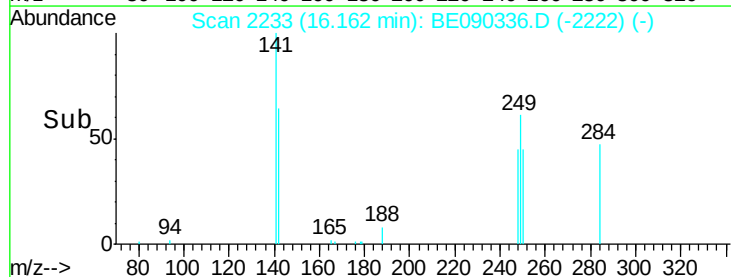
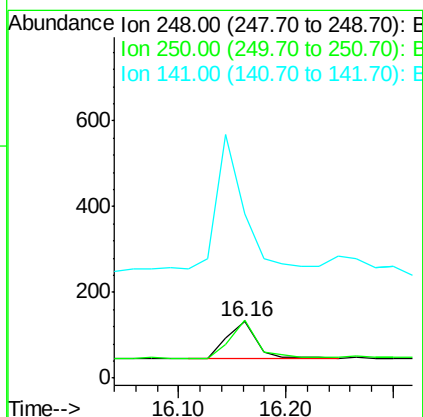
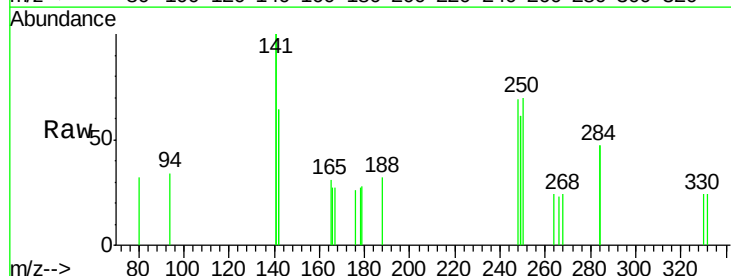
Instrument :
BNA_E
ClientSampleId :
080115-D506-E-D-M

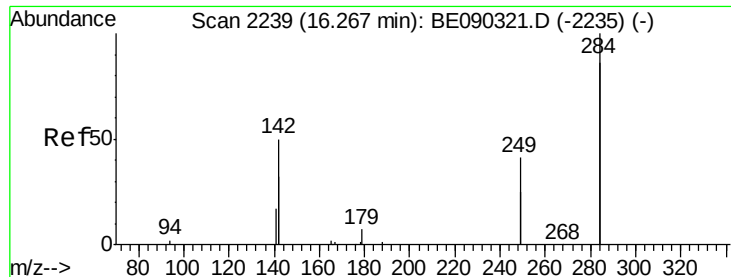
Tgt Ion:188 Resp: 27845
Ion Ratio Lower Upper
188 100
94 10.2 9.5 14.3
80 11.3 10.0 15.0



#19
4-Bromophenyl-phenylether
Concen: 0.17 ng
RT: 16.16 min Scan# 2233
Delta R.T. -0.00 min
Lab File: BE090336.D
Acq: 4 Aug 2015 8:13

Tgt Ion:248 Resp: 174
Ion Ratio Lower Upper
248 100
250 97.7 74.0 111.0
141 371.8 258.9 388.3





#20

Hexachlorobenzene

Concen: 0.17 ng

RT: 16.27 min Scan# 2239

Delta R.T. -0.00 min

Lab File: BE090336.D

Acq: 4 Aug 2015 8:13

Instrument :

BNA_E

ClientSampleId :

080115-D506-E-D-M

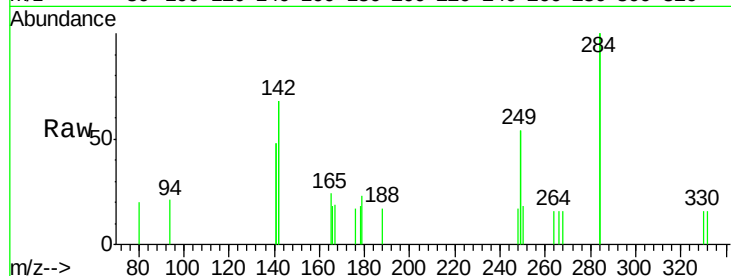
Tgt Ion:284 Resp: 658

Ion Ratio Lower Upper

284 100

142 55.2 44.2 66.4

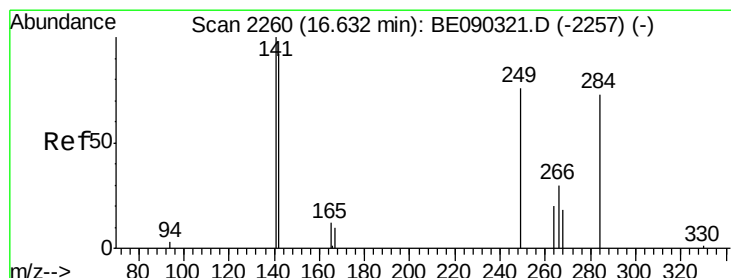
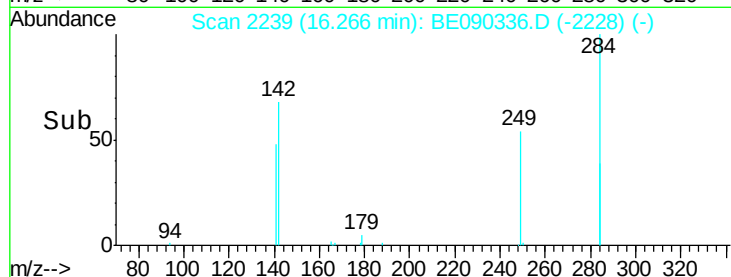
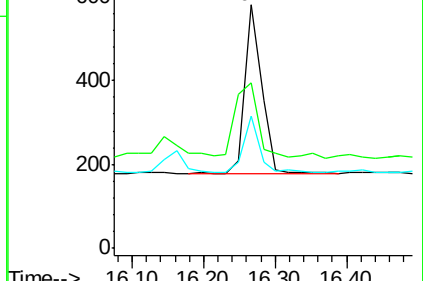
249 30.7 26.4 39.6



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#21

Pentachlorophenol

Concen: 3.16 ng

RT: 16.61 min Scan# 2259

Delta R.T. -0.02 min

Lab File: BE090336.D

Acq: 4 Aug 2015 8:13

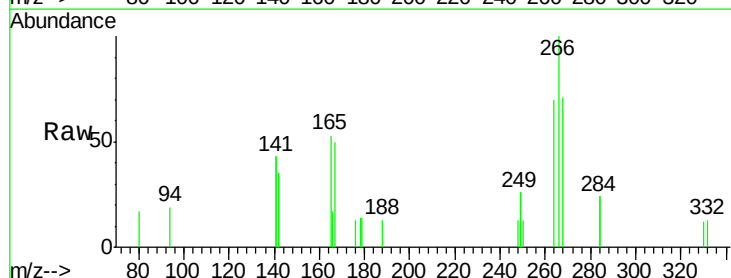
Tgt Ion:266 Resp: 718

Ion Ratio Lower Upper

266 100

268 71.2 66.2 99.2

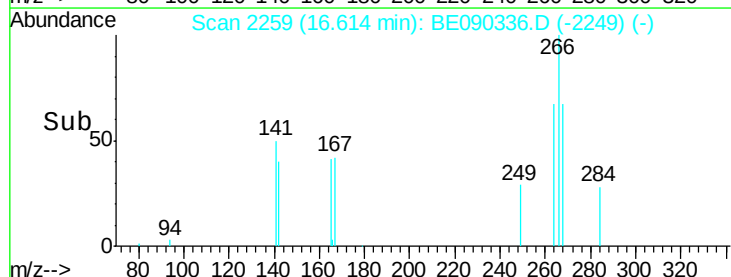
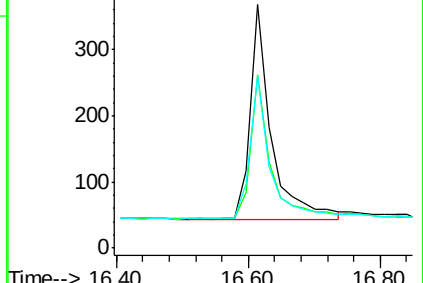
264 70.4 69.1 103.7

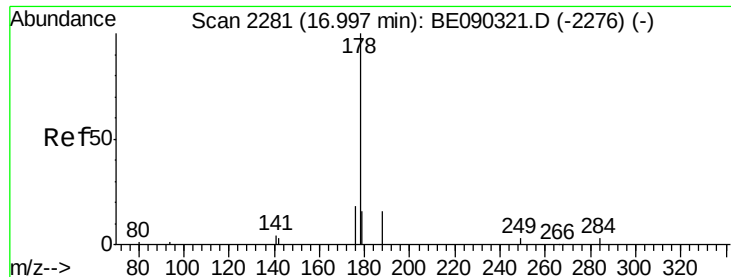


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#22

Phenanthrene

Concen: 0.17 ng

RT: 17.00 min Scan# 2281

Delta R.T. -0.00 min

Lab File: BE090336.D

Acq: 4 Aug 2015 8:13

Instrument :

BNA_E

ClientSampleId :

080115-D506-E-D-M

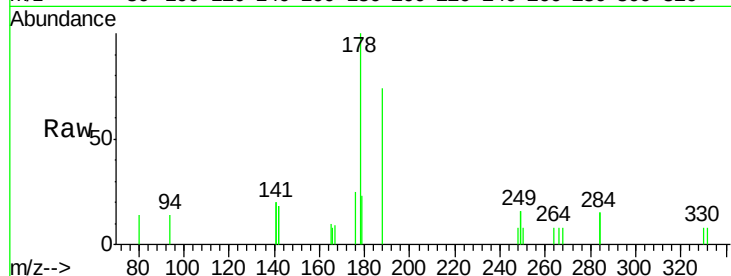
Tgt Ion:178 Resp: 1074

Ion Ratio Lower Upper

178 100

176 20.9 15.5 23.3

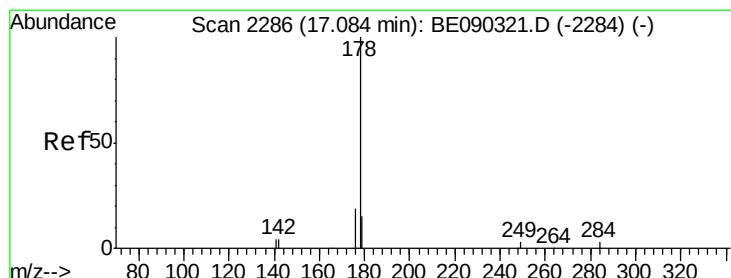
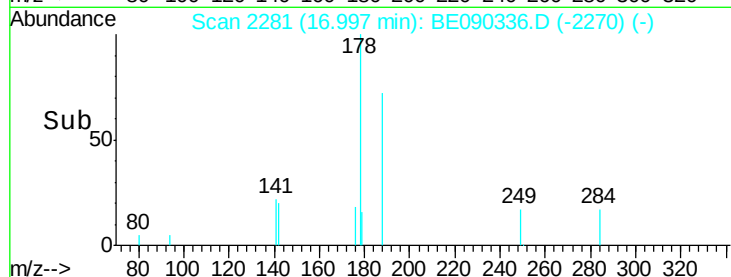
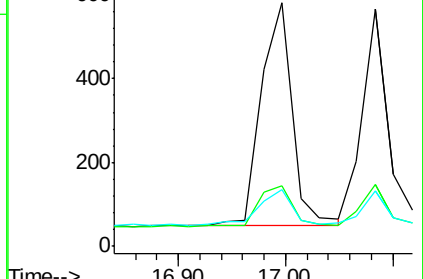
179 17.3 12.6 18.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#23

Anthracene

Concen: 0.15 ng

RT: 17.08 min Scan# 2286

Delta R.T. -0.00 min

Lab File: BE090336.D

Acq: 4 Aug 2015 8:13

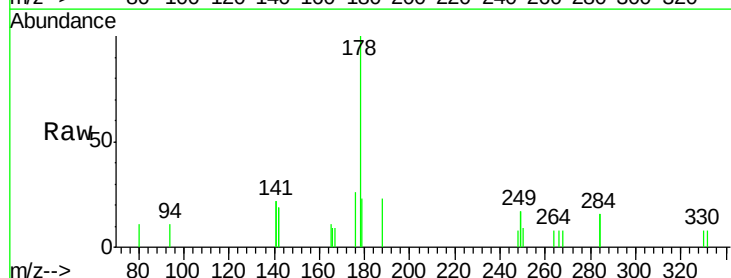
Tgt Ion:178 Resp: 875

Ion Ratio Lower Upper

178 100

176 19.1 15.1 22.7

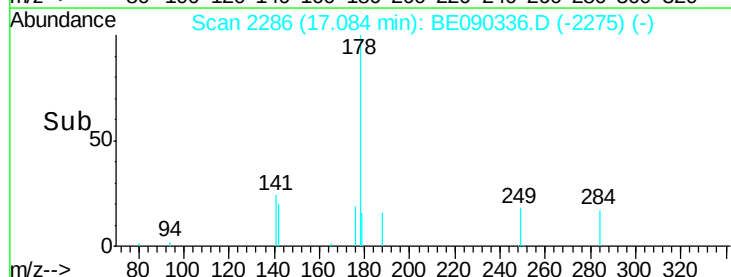
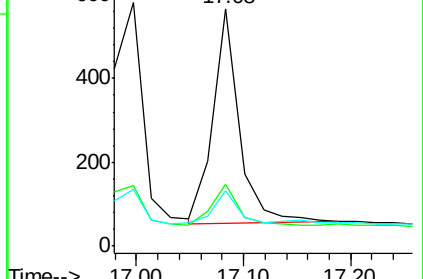
179 15.2 12.1 18.1

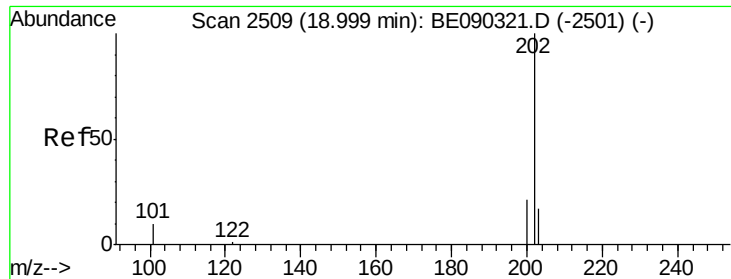


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

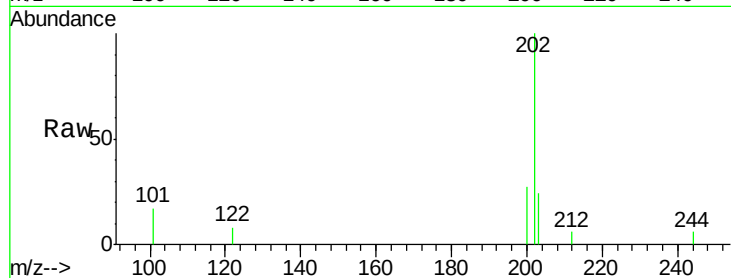




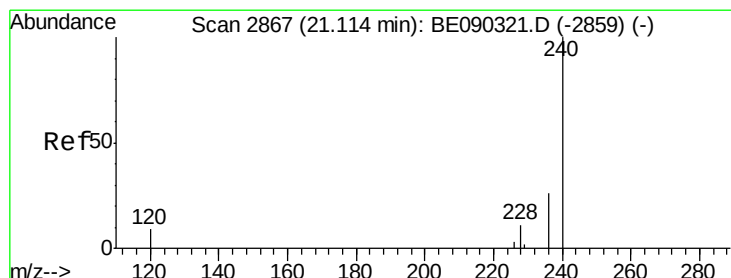
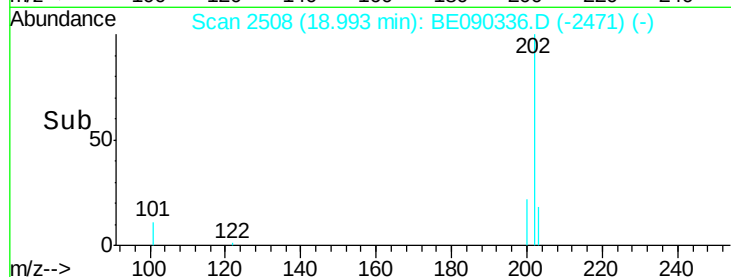
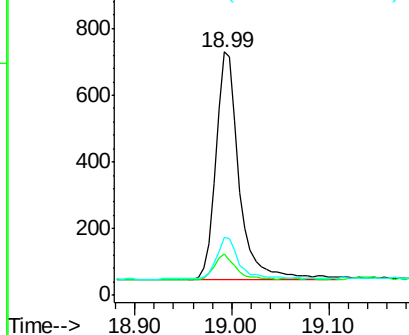
#24
Fluoranthene
Concen: 0.18 ng
RT: 18.99 min Scan# 2508
Delta R.T. -0.01 min
Lab File: BE090336.D
Acq: 4 Aug 2015 8:13

Instrument :
BNA_E
ClientSampleId :
080115-D506-E-D-M

Tgt Ion: 202 Resp: 1140
Ion Ratio Lower Upper
202 100
101 10.8 8.3 12.5
203 16.8 13.8 20.8

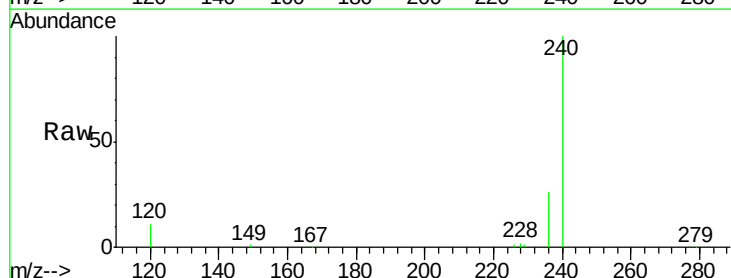


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

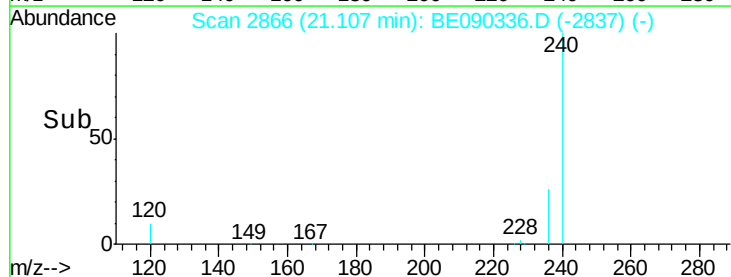
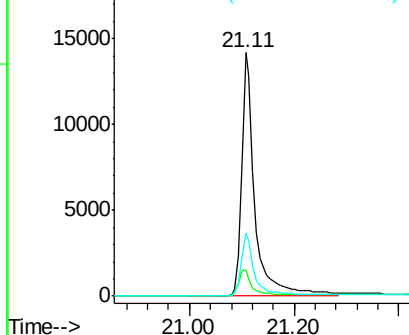


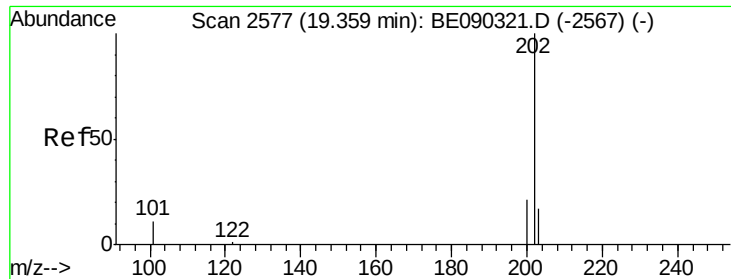
#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.11 min Scan# 2866
Delta R.T. -0.01 min
Lab File: BE090336.D
Acq: 4 Aug 2015 8:13

Tgt Ion: 240 Resp: 24648
Ion Ratio Lower Upper
240 100
120 10.9 7.5 11.3
236 26.1 21.0 31.4



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#26

Pyrene

Concen: 0.17 ng

RT: 19.36 min Scan# 2577

Delta R.T. -0.00 min

Lab File: BE090336.D

Acq: 4 Aug 2015 8:13

Instrument :

BNA_E

ClientSampleId :

080115-D506-E-D-M

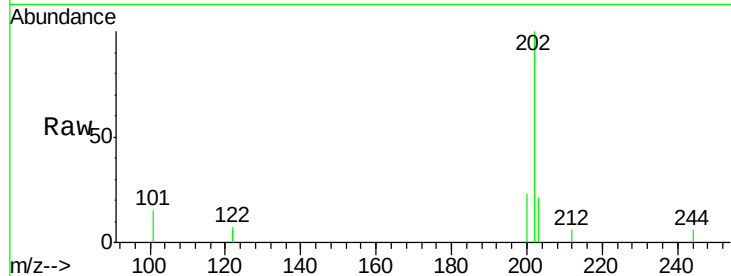
Tgt Ion:202 Resp: 1156

Ion Ratio Lower Upper

202 100

200 21.0 16.6 24.8

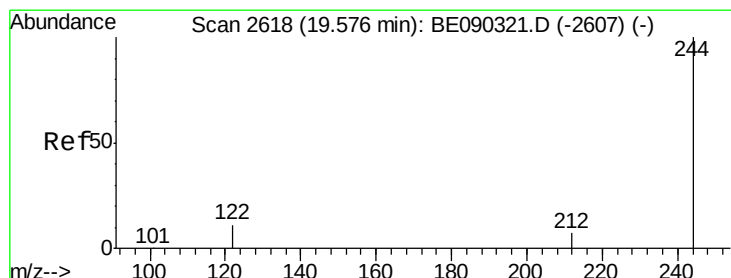
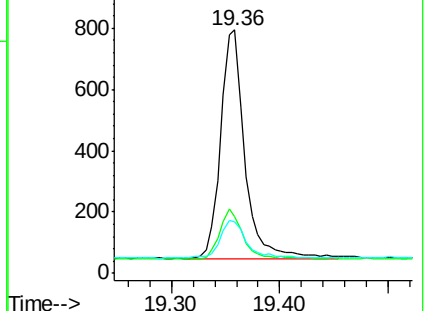
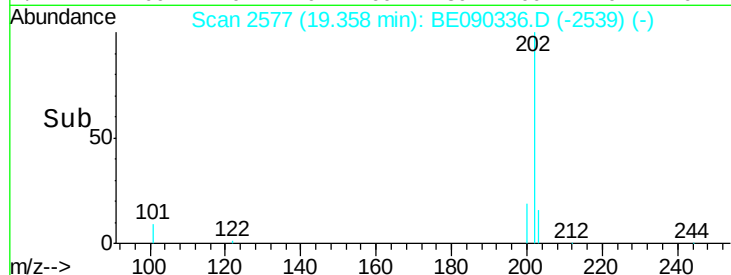
203 18.1 13.8 20.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#27

Terphenyl-d14

Concen: 4.55 ng

RT: 19.57 min Scan# 2616

Delta R.T. -0.01 min

Lab File: BE090336.D

Acq: 4 Aug 2015 8:13

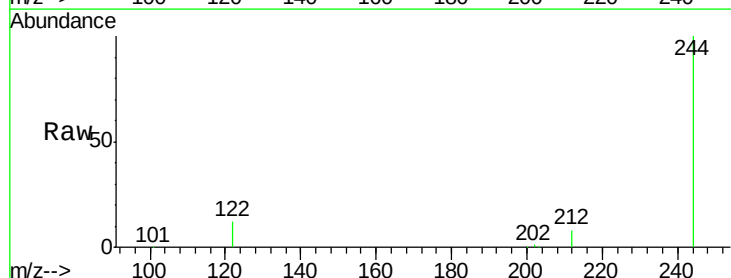
Tgt Ion:244 Resp: 20978

Ion Ratio Lower Upper

244 100

212 7.8 7.4 11.2

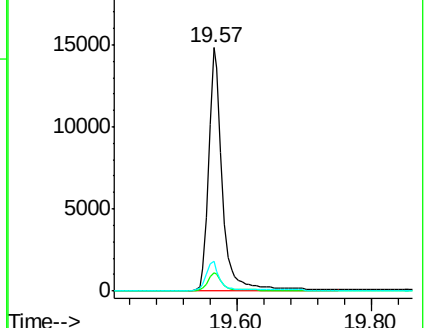
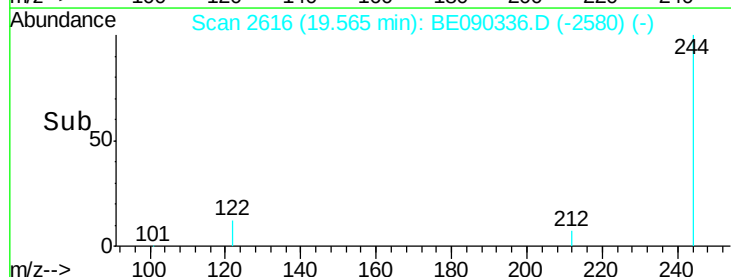
122 12.0 10.4 15.6

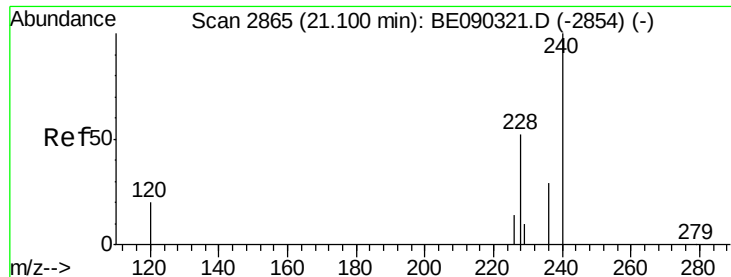


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#28

Benzo(a)anthracene

Concen: 0.18 ng

RT: 21.09 min Scan# 2864

Delta R.T. -0.01 min

Lab File: BE090336.D

Acq: 4 Aug 2015 8:13

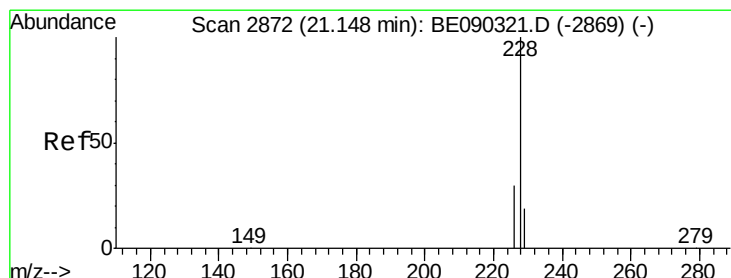
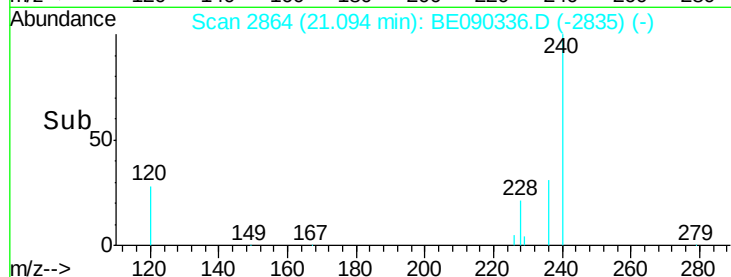
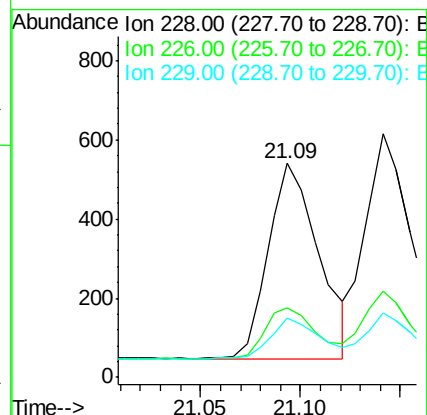
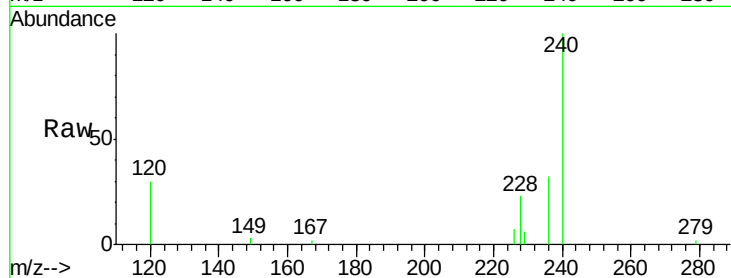
Instrument :

BNA_E

ClientSampleId :

080115-D506-E-D-M

Tgt Ion:	228	Resp:	860
Ion	Ratio	Lower	Upper
228	100		
226	32.4	23.0	34.4
229	27.8	17.4	26.2#



#29

Chrysene

Concen: 0.13 ng

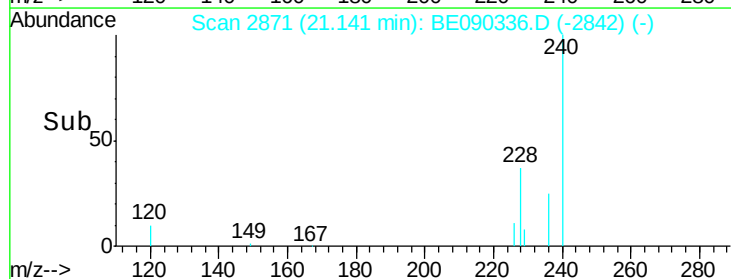
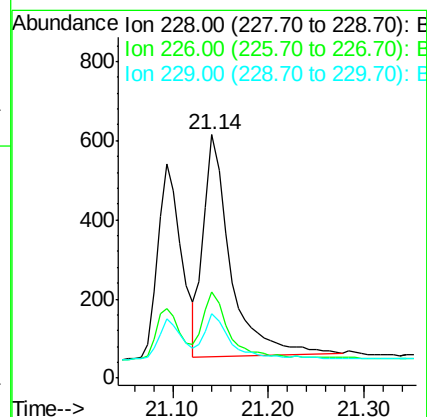
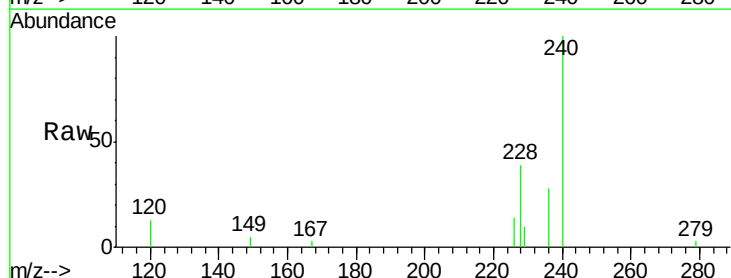
RT: 21.14 min Scan# 2871

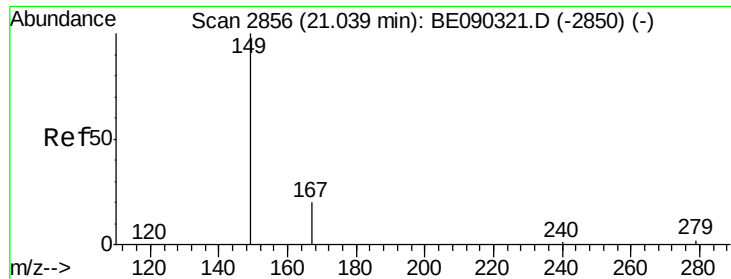
Delta R.T. -0.01 min

Lab File: BE090336.D

Acq: 4 Aug 2015 8:13

Tgt Ion:	228	Resp:	1082
Ion	Ratio	Lower	Upper
228	100		
226	35.3	24.9	37.3
229	26.5	16.6	25.0#





#30

Bis(2-ethylhexyl)phthalate

Concen: 0.52 ng

RT: 21.03 min Scan# 2855

Delta R.T. -0.01 min

Lab File: BE090336.D

Acq: 4 Aug 2015 8:13

Instrument :

BNA_E

ClientSampleId :

080115-D506-E-D-M

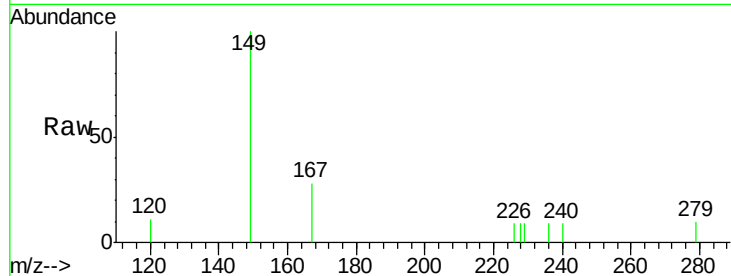
Tgt Ion:149 Resp: 596

Ion Ratio Lower Upper

149 100

167 23.7 16.6 24.8

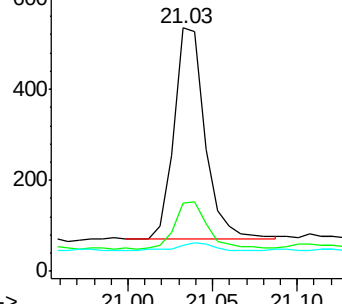
279 3.7 2.7 4.1



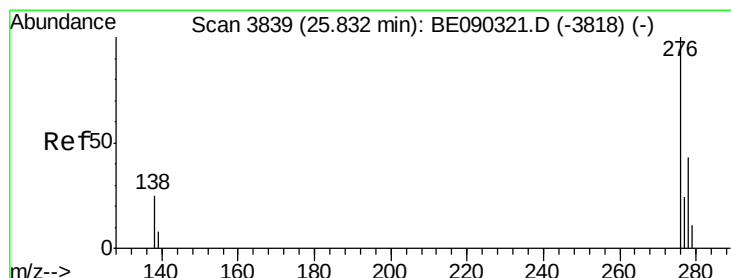
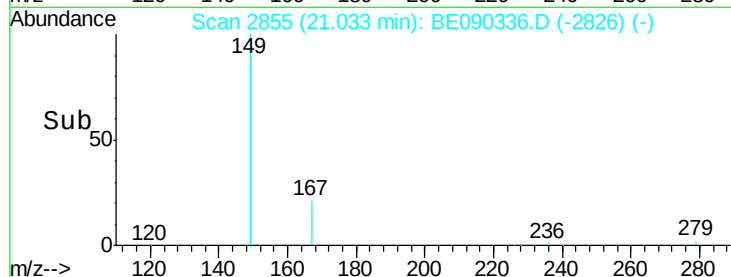
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->



#31

Indeno(1,2,3-cd)pyrene

Concen: 0.37 ng

RT: 25.81 min Scan# 3835

Delta R.T. -0.02 min

Lab File: BE090336.D

Acq: 4 Aug 2015 8:13

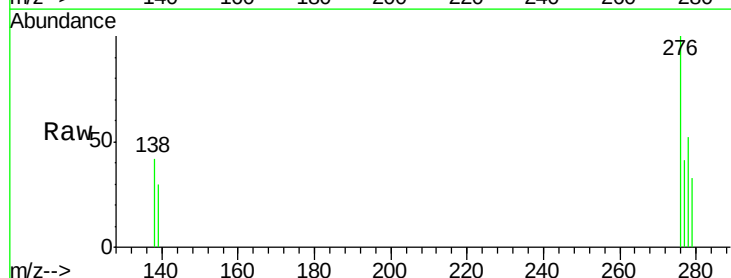
Tgt Ion:276 Resp: 648

Ion Ratio Lower Upper

276 100

138 11.4 10.6 16.0

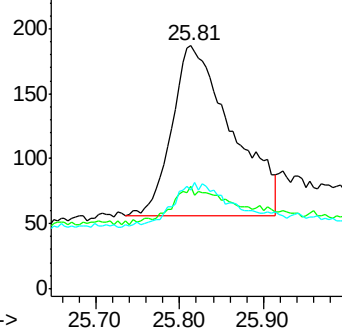
277 10.0 14.6 22.0#



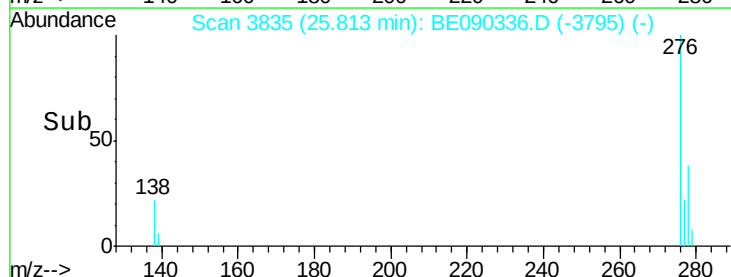
Abundance Ion 276.00 (275.70 to 276.70): E

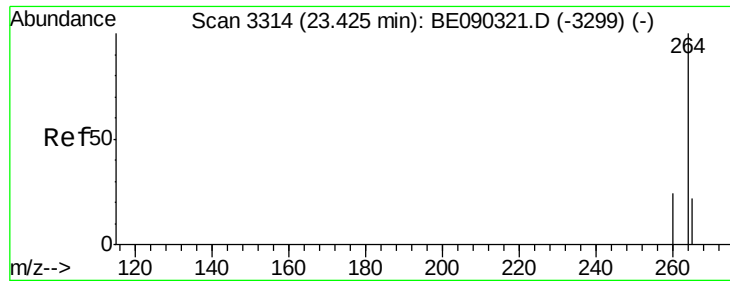
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time-->





#32

Perylene-d12

Concen: 5.00 ng

RT: 23.42 min Scan# 3313

Delta R.T. -0.00 min

Lab File: BE090336.D

Acq: 4 Aug 2015 8:13

Instrument :

BNA_E

ClientSampleId :

080115-D506-E-D-M

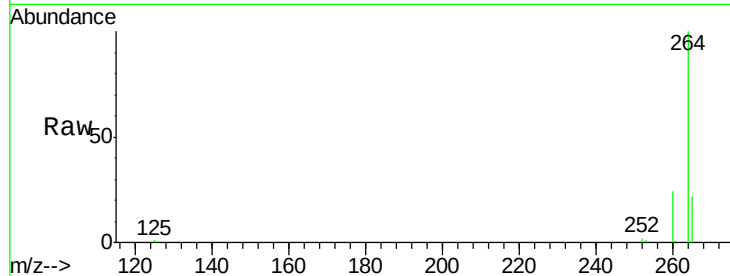
Tgt Ion:264 Resp: 21313

Ion Ratio Lower Upper

264 100

260 24.4 20.1 30.1

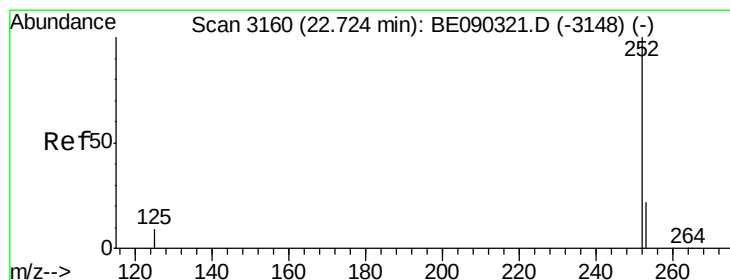
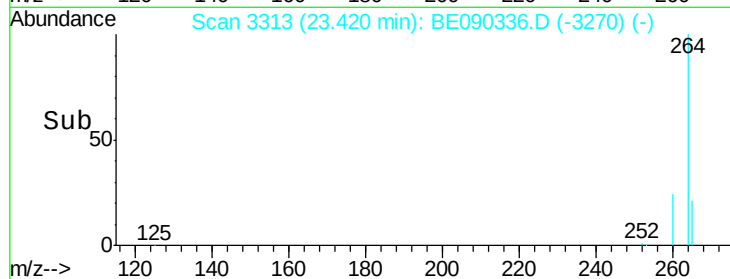
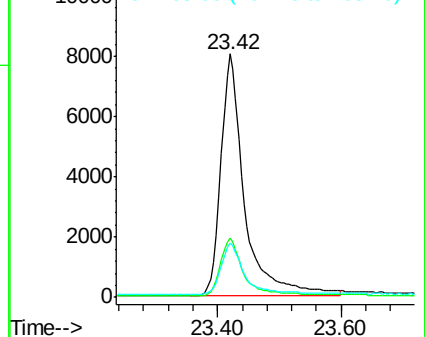
265 22.1 18.6 28.0



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#33

Benzo(b)fluoranthene

Concen: 0.49 ng

RT: 22.71 min Scan# 3158

Delta R.T. -0.01 min

Lab File: BE090336.D

Acq: 4 Aug 2015 8:13

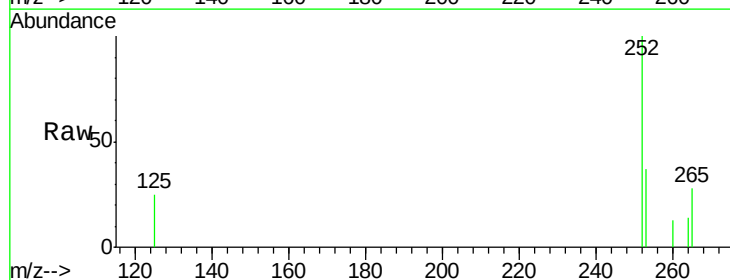
Tgt Ion:252 Resp: 589

Ion Ratio Lower Upper

252 100

253 37.1 21.5 32.3#

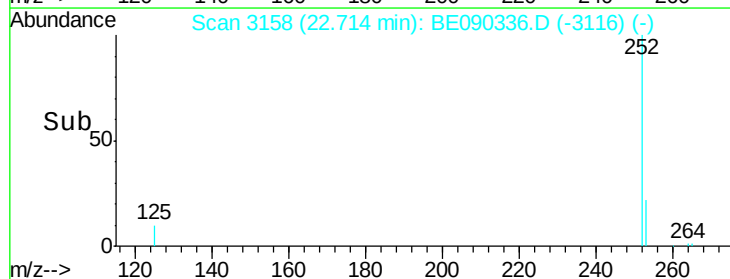
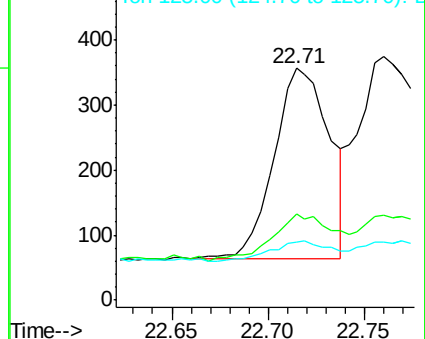
125 25.3 11.8 17.8#

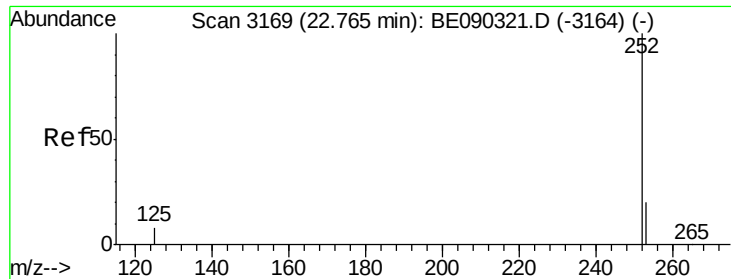


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#34

Benzo(k)fluoranthene

Concen: 0.15 ng

RT: 22.76 min Scan# 3168

Delta R.T. -0.00 min

Lab File: BE090336.D

Acq: 4 Aug 2015 8:13

Instrument :

BNA_E

ClientSampleId :

080115-D506-E-D-M

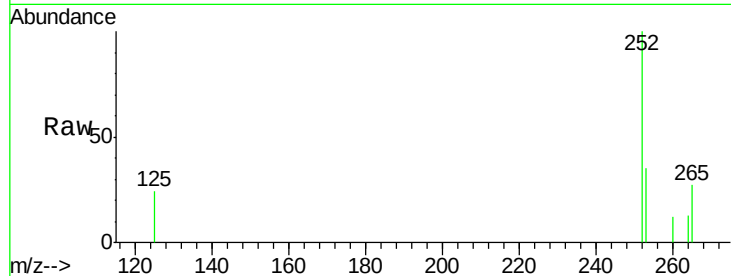
Tgt Ion: 252 Resp: 871

Ion Ratio Lower Upper

252 100

253 34.8 19.9 29.9#

125 24.1 11.2 16.8#



Abundance Ion 252.00 (251.70 to 252.70): E

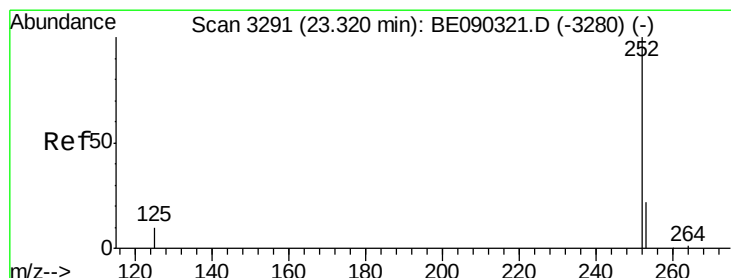
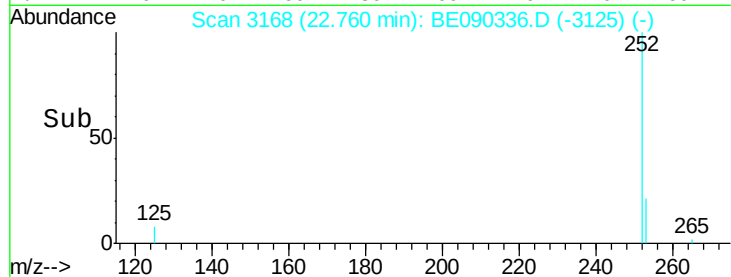
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

22.76

Time-->

22.70 22.80 22.90



#35

Benzo(a)pyrene

Concen: 0.46 ng

RT: 23.32 min Scan# 3290

Delta R.T. -0.00 min

Lab File: BE090336.D

Acq: 4 Aug 2015 8:13

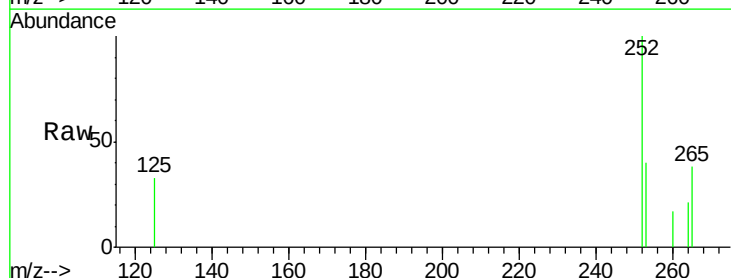
Tgt Ion: 252 Resp: 612

Ion Ratio Lower Upper

252 100

253 40.1 23.0 34.4#

125 32.7 14.2 21.2#



Abundance Ion 252.00 (251.70 to 252.70): E

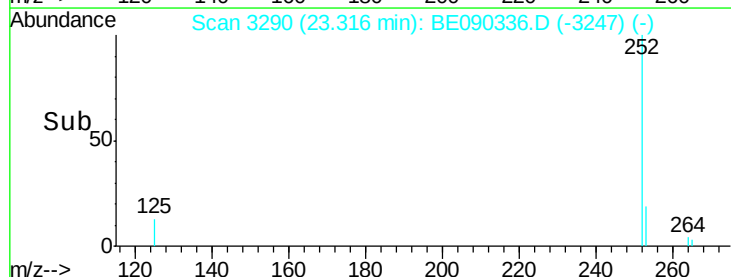
Ion 253.00 (252.70 to 253.70): E

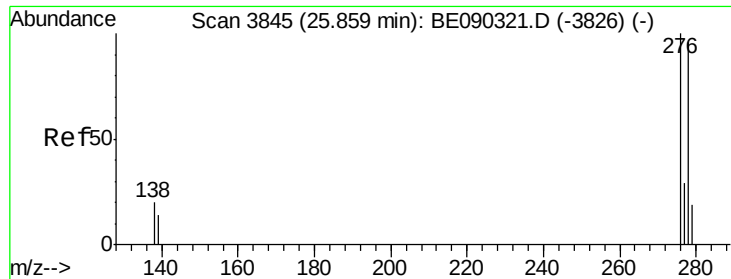
Ion 125.00 (124.70 to 125.70): E

23.32

Time-->

23.20 23.30 23.40





#36

Dibenzo(a,h)anthracene

Concen: 0.41 ng

RT: 25.84 min Scan# 3840

Delta R.T. -0.02 min

Lab File: BE090336.D

Acq: 4 Aug 2015 8:13

Instrument :

BNA_E

ClientSampleId :

080115-D506-E-D-M

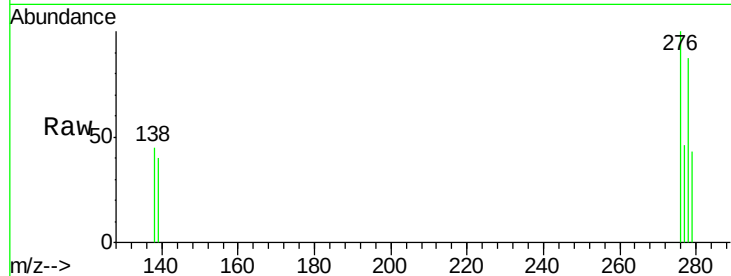
Tgt Ion: 278 Resp: 441

Ion Ratio Lower Upper

278 100

139 45.8 27.8 41.6#

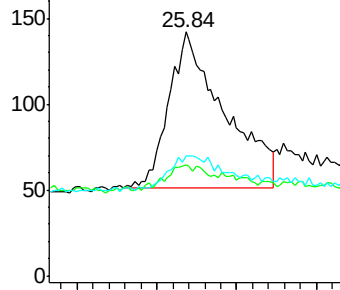
279 49.3 30.9 46.3#



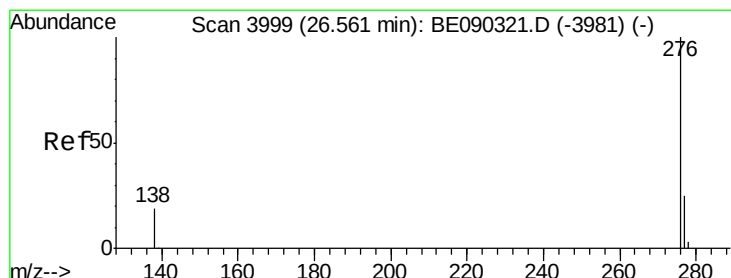
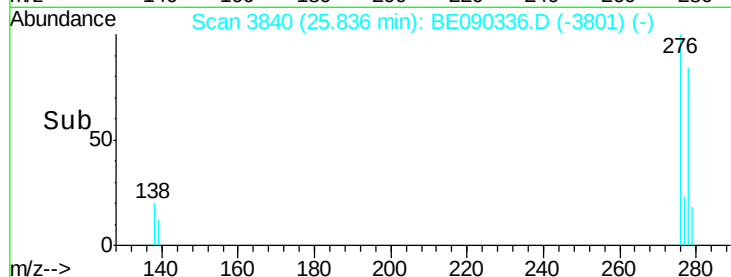
Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->



#37

Benzo(g,h,i)perylene

Concen: 0.43 ng

RT: 26.55 min Scan# 3997

Delta R.T. -0.01 min

Lab File: BE090336.D

Acq: 4 Aug 2015 8:13

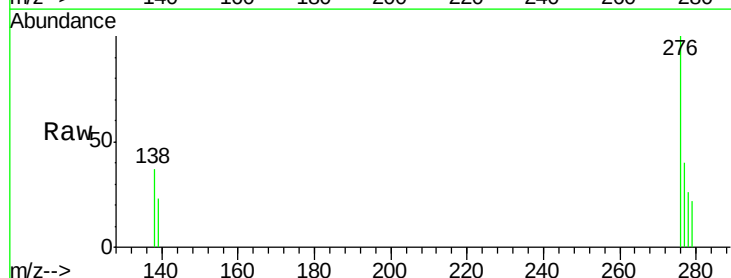
Tgt Ion: 276 Resp: 787

Ion Ratio Lower Upper

276 100

277 39.8 25.6 38.4#

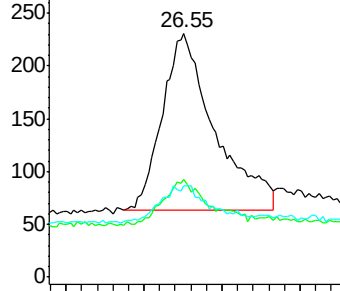
138 37.2 22.0 33.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E



Time-->

